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L2	((creat$3 or build$3) same table) and LDAP	1120	L2
L1	"X.500"	920	L1

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L7	(L4 or L5 or L6) and L1	265	L7
L6	707/200-206.ccls.	6577	L6
L5	707/100-104.1.ccls.	12721	L5
L4	707/1-10.ccls.	19308	L4
L3	L2 and L1	159	L3
L2	((creat$3 or build$3) same table) and LDAP	1120	L2
L1	"X.500"	920	L1

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Relevance scale

1 Nomenclator descriptive query optimization for large X.500 environments

Joann J. Ordille, Barton P. Miller
August 1991 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Communications architecture & protocols SIGCOMM '91**, Volume 21 Issue 4
Publisher: ACM Press
Full text available: pdf(1.26 MB) Additional Information: full citation, references, citings, index terms

2 Distributed environment: A simulation model for X.500 directories: initial experiences

M. A. Bauer, J. M. Bennett, J. MacAuley, A. D. Marshall
October 1991 **Proceedings of the 1991 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(1.32 MB) Additional Information: full citation, abstract, references, citings

The X.500 Standard has been proposed as the basis for a directory service in distributed systems. There is some question as to whether it is suited to this use. This paper describes the initial work on the development of an X.500 simulation testbed to be used in investigating the behaviour of X.500 directories in large distributed environments. The initial version of the testbed has been developed using the Quipu prototype implementation of X.500 and the Nest network simulation tool. The long-te ...

3 An analysis of user input to an X.500 white pages directory service

Paul Barker
April 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 2
Publisher: IEEE Press
Full text available: pdf(1.68 MB) Additional Information: full citation, references, index terms, review

4 Descriptive names in X.500

G. W. Neufeld
August 1989 **ACM SIGCOMM Computer Communication Review , Symposium proceedings on Communications architectures & protocols SIGCOMM '89**, Volume 19 Issue 4
Publisher: ACM Press

Full text available: pdf(912.33 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents a new name form for the OSI X.500 directory system. The primary function of the directory is to provide a name-to-object look-up facility for OSI objects. The directory consists of a set of agents and a database which is distributed among the agents. The directory database is structured as a tree where each node, or entry, corresponds to an object. An entry consists of a set of attributes where one or more attributes are designated as the object name relative to the entr ...

5 Multidatabase systems: A transactional API for the EAN X.500 directory service

Gerald Neufeld, Barry Brachman

November 1992 **Proceedings of the 1992 conference of the Centre for Advanced Studies on Collaborative research - Volume 2**

Publisher: IBM Press

Full text available: pdf(629.29 KB) Additional Information: full citation, abstract, references, citings

The OSI directory system manages a distributed directory information database of named objects, defining a hierarchical relationship between the objects. An object consists of a set of attributes as determined by a particular class. Attributes are tuples that include a type and one or more values.This paper presents an overview of the X.500 standard and describes extensions to the standard to provide user agents with a means of handling atomic transactions. The new interface allows any sequence ...

6 Distributed environment: Analysis of X.500 distributed directory refresh strategies

David W. Bachmann, Michael A. Bauer, J. Michael Bennett, Guy A. Fasulo, Michael H. Kamlet, Kevin H. Klinge, Sailesh Makkapati, Jacob Slonim, Toby J. Teorey

October 1991 **Proceedings of the 1991 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, references, citings

Refresh strategies for distributed database directories, commonly recommended for the X.500 standard, are defined and analytically modeled for variations on push/pull and total/differential options under ideal asynchronous control conditions. The models are implemented in a HyperCard-based tool called DirMod ("Directory Model"). Experimental test results show an important elapsed time/performance trade-off among the different strategies, and test data contribute to the verification of the models ...

7 Providing the X.500 directory user with QOS information

Paul Barker

July 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 3

Publisher: ACM Press

Full text available: pdf(842.75 KB) Additional Information: full citation, abstract, index terms

This paper describes some work which helps users of the X.500 directory to understand the unevenness of quality of service (QOS) concomitant with a widely distributed directory. In particular a user may see highly variant response times and availability of information for different parts of the directory.The paper discusses, and dismisses, two possible sources of QOS information. I use a third approach whereby a directory user interface maintains a record of response times and information availa ...

8 An X.500 prototype to support integrated network management

Wei Wei, Adrian Tang

March 1993 **Proceedings of the 1993 ACM conference on Computer science**

Publisher: ACM Press

Full text available: pdf(617.87 KB) Additional Information: full citation, abstract, references, index terms

Because of the heterogeneity and the distributed nature of integrated network management, a good approach to understand the managed objects by syntax/semantics on the remote managed systems can significantly improve the performance of management applications. In this paper, we describe an X.500 prototype to provide the directory services to support integrated network management. Four directory services are described: partial name resolution, abstract syntax resolution, navigation of ...

9 Partitioning in X.500

John Henshaw, Michael Bauer
March 1993 **Proceedings of the 1993 ACM/SIGAPP symposium on Applied computing: states of the art and practice**
Publisher: ACM Press
Full text available: pdf(711.10 KB) Additional Information: full citation, references, index terms

Keywords: data partitioning, distributed computing, distributed directories

10 Exchange of patient records-prototype implementation of a security attributes service in X.500

Marjan Jurečič, Herbert Bunz
November 1994 **Proceedings of the 2nd ACM Conference on Computer and communications security**
Publisher: ACM Press
Full text available: pdf(884.04 KB) Additional Information: full citation, abstract, references, index terms

In Europe, the use of computers in health care industry has increased rapidly in recent years. This increase, however, has been accomplished with research efforts in the area of privacy and confidentiality of personal data. In the German legislation, protection of personal data is guaranteed by the constitution, granting a general right to privacy. This constitutional right has been amended by the German Central Court (Bundesverfassungsgericht). It says that each individual has the right to ...

11 Location-aware mobile applications based on directory services

Henning Maass
August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2
Publisher: Kluwer Academic Publishers
Full text available: pdf(421.47 KB) Additional Information: full citation, abstract, references, citings, index terms

Location-aware applications are becoming increasingly attractive due to the widespread dissemination of wireless networks and the emergence of small and cheap locating technologies. We developed a location information server that simplifies and speeds up the development of these applications by offering a set of generic location retrieval and notification services to the application. The data model and the access protocols of these services are based on the X.500 directory service and the I ...

12 Where campus meets the Internet: a universally accessible online documentation system

Susan Topol, Mark Smith, Suzanne Schluederberg
February 1996 **Proceedings of the 13th annual international conference on Systems documentation: emerging from chaos: solutions for the growing complexity of our jobs**
Publisher: ACM Press
Full text available: pdf(809.98 KB) Additional Information: full citation, references, index terms

13 Storing MDBS catalog information in an X.500 directory service

Patrick Martin, Wendy Powley

October 1994 **Proceedings of the 1994 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(548.45 KB) Additional Information: full citation, abstract, references, citings, index terms

The CORDS Multidatabase System (MDBS) provides applications with an integrated view of a collection of distributed heterogeneous data sources. Applications are presented with a relational view of the available data and are able to access the data using standard SQL operations. The information needed by the MDBS to provide its services is kept in an internal database called the MDBS Catalog.This paper describes how the EAN X.500 directory service was used as a storage facility for the MDBS Catalo ...

14 Managing data derived from multiple sources in an X.500 Directory

Paul Barker

July 1991 **ACM SIGCOMM Computer Communication Review**, Volume 21 Issue 3

Publisher: ACM Press

Full text available: pdf(691.72 KB) Additional Information: full citation, abstract, index terms

X.500 Directories will not often be used as the master source of data until the Directory is well established, and the technology trusted. Until then there will remain the substantial problem of keeping an X.500 Directory up-to-date, frequently from a number of sources. Usually the volume of data will require that maintenance procedures are as automated as possible.However, naive procedures will not suffice for a number of reasons: different sources will name the same object differently; differe ...

15 Location-aware mobile applications based on directory services

Henning Maaß

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: pdf(1.59 MB) Additional Information: full citation, references, citings, index terms

Keywords: LDAP, X.500, adaptive applications, directory services, distributed systems, locating systems, location-aware applications, middleware, mobile computing, software architectures, wireless multimedia networks

16 Distributed systems - programming and management: The role of directory services in network management

James W. Hong, Michael A. Bauer, J. Michael Bennett

November 1992 **Proceedings of the 1992 conference of the Centre for Advanced Studies on Collaborative research - Volume 2**

Publisher: IBM Press

Full text available: pdf(816.45 KB) Additional Information: full citation, abstract, references

In this paper, the potential role and feasibility of the X.500 Directory Service within the CORDS management services is studied. A simple network monitoring application was adapted to use a prototype X.500 Directory Service for (1) device information, (2) application information, and (3) for compiling summary information on network load. This study is a first step towards the understanding of the possible role of the Directory Service

in the management of distributed systems and applications. T ...

17 Challenges in distributed systems: Managing heterogeneous distributed computing systems: using information repositories

Gerald A. Winters, Toby J. Teorey

October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: distributed computing - Volume 2**

Publisher: IBM Press

Full text available: pdf(1.20 MB) Additional Information: full citation, abstract, references, citings

An integral part of managing heterogeneous distributed computing systems is an information repository. The ultimate goal of our research is to specify a methodology for the design, analysis, and comparison of information repositories for such systems. We first outline the general characteristics of data repositories, including requirements and data model features. Then we build an experimental prototype system to test two candidate repositories: X.500 and AFS (Andrew File System). Performance an ...

18 Distributed environment: Towards a new distributed programming environment (CORDS)

Jacob Slonim, Patrick Finnigan, Alberto Mendelson, Toby Teorey, Michael Bauer, Paul Larson, Richard McBride, Yechiam Yemini, Shaula Yemini

October 1991 **Proceedings of the 1991 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(1.34 MB) Additional Information: full citation, abstract, references, citings

The main objective of the proposed research described here is to create a prototype environment for developing and managing distributed applications. Its specific focuses are: building extensions to third-generation languages to exploit the process model; developing a new high-level language based on the process model; designing new techniques for recovery and network transport abstractions; network management techniques for distributed applications; modelling and analysis of distributed systems ...

19 An SQL interface to X.500

David Barrowman, Patrick Martin

November 1995 **Proceedings of the 1995 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(193.53 KB) Additional Information: full citation, abstract, references, index terms

The X.500 standard specifies a distributed directory service designed to store information about people and objects associated with computer networks. Its API is geared toward retrieving information based on this application domain. Recently, a number of projects have used the directory in non-traditional ways. Such applications, however, are constrained by the X.500 information model and the limited functionality of its API. We describe a prototype system that allows users to view the informati ...

20 Deficiencies in LDAP when used to support PKI

David Chadwick

March 2003 **Communications of the ACM**, Volume 46 Issue 3

Publisher: ACM Press

Full text available: pdf(100.30 KB) html(33.33 KB) Additional Information: full citation, abstract, references, index terms

Problems arise when a protocol initially developed to simplify access to a distributed directory failed to take into account all the uses the directory was originally intended for.

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